

### REMARKS

The matters raised in the Office action are discussed below in the same order as presented by the Examiner.

Initially, the claim amendments are summarized as follows.

- Claim 1 is amended to change the lower limit of  $y$  to more than 0.50. This amendment is supported by the sentence at page 10, second paragraph of the original specification: "The range of  $y$  is preferably  $0.49 \leq y \leq 0.57$ , and more preferably,  $0.50 \leq y \leq 0.55$ ".
- Claim 8 is amended to delete In from the additive group.
- Claim 15 is amended to delete In from the additive group.

It is requested that the Examiner reconsider and withdraw the rejection of claims 1, 4, 5, 7 and 18 - 20 under 35 USC 103(a) as being unpatentable over Taiji in JP2001-181033. Claim 1 has been amended to set the lower limit of  $y$  to more than 0.50. In contrast, Taiji defines the range of  $y$  as being  $0.1 \leq y \leq 0.5$ . Therefore, Taiji fails to disclose the main component composition of the amended claim.

As shown in Figs. 4, 6 and 7 of the present application, all of the samples satisfying the main component composition

and the  $\text{Al}_2\text{O}_3$  amount of claim 1 attain satisfactory heat resisting properties, electric properties and mechanical strength. Amended claim 1 therefore defines a limited group of compositions that have each of the improved properties of the claimed invention. There is no suggestion in the art to provide the compositions as now set forth in claim 1. Accordingly, amended claim 1, 4, 5, 7 and 18 - 20 are patentably distinguished over Taiji.

The rejection of claims 8 - 17 under 35 USC 103(a) as unpatentable over Taiji in JP2001-181033 in view of Xiang publication "Microstructure and Mechanical Properties of Small Amounts of  $\text{In}_2\text{O}_3$  Reinforced  $\text{Pb}((\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$  Ceramics" is overcome by amendment. As noted above, claims 8 and 15 have each been amended to delete In from the additive group. There is no disclosure of Ga in Taiji. Although, Xiang mentions  $\text{In}_2\text{O}_3$ , there is no mention of Ga. Further, the main component of Xiang does not include Mn and Nb, and therefore, there is no disclosure of the main component as set forth in the amended claims. Claims 8 - 17 are therefore patentably distinguished over the combined teachings of Taiji and Xiang.

For all of the foregoing reasons, claims 1, 4, 5, and 7 - 20 are in condition for allowance and such action is requested.

If there are any fees required by this Amendment,  
please charge the same to Deposit Account No. 16-0820, Order  
No. OBA-40858.

Respectfully requested,

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